

- Disposal of surplus material
- Screens, tees, wyes, and ells
- The asphaltic concrete cap over the trench

Payment will be made under:

Item No. 574	Edgedrain pipe, including backfill material and filter fabric ____ in (mm)	Per linear foot (meter)
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#### **574.5.01 Adjustments**

General Provisions 101 through 150.

## **Section 576—Slope Drain Pipe**

### **576.1 General Description**

This work includes furnishing and installing slope drains made of corrugated steel pipe, corrugated aluminum pipe, or corrugated smooth-lined polyethylene pipe where shown on the Plans.

#### **576.1.01 Definitions**

General Provisions 101 through 150.

#### **576.1.02 Related References**

##### **A. Standard Specifications**

Section 840—Corrugated Aluminum Alloy Pipe

Section 844—Steel Pipe

Section 845—Smooth Lined Corrugated Polyethylene (PE) Culvert Pipe

##### **B. Referenced Documents**

General Provisions 101 through 150.

#### **576.1.03 Submittals**

General Provisions 101 through 150.

### **576.2 Materials**

Ensure that materials meet the requirements of the following Specifications:

<b>Material</b>	<b>Specification</b>
Corrugated Aluminum Alloy Slope Drain Pipe	840.2.02
Corrugated Steel Culvert Pipe	844.2.01
Corrugated Smooth Lined PE Pipe	845.2.01

Ensure that the nominal thickness of the metal for slope drain pipe conforms to the minimum thickness or gauge specified in the design tables, unless otherwise shown on the Plans.

#### **576.2.01 Delivery, Storage, and Handling**

General Provisions 101 through 150.

### **576.3 Construction Requirements**

#### **576.3.01 Personnel**

General Provisions 101 through 150.

**576.3.02 Equipment**

General Provisions 101 through 150.

**576.3.03 Preparation**

Before placing the pipe, compact the foundation until firm and stable.

**576.3.04 Fabrication**

General Provisions 101 through 150.

**576.3.05 Construction**

Place slope drain pipe in an open trench, excavated to the line and grade shown on the Plans or as directed.

Lay pipe sections that have circumferential joints with the outside laps of the circumferential joints uphill.

After installing the pipe:

1. Immediately backfill the trench with excavated materials or other approved material.
2. Place backfill in layers 8 in (200 mm) thick or less.
3. Compact each layer until firm and stable.

**576.3.06 Quality Acceptance**

General Provisions 101 through 150.

**576.3.07 Contractor Warranty and Maintenance**

General Provisions 101 through 150.

**576.4 Measurement**

Slope drain pipe is measured by the actual number of linear feet (meters) of the size installed and accepted.

**576.4.01 Limits**

General Provisions 101 through 150.

**576.5 Payment**

Accepted slope drain will be paid for at the Contract Price per linear foot (meter) for the size specified. This price includes full compensation for labor and incidentals necessary to complete the Item.

Payment will be made under:

Item No. 576	Slope drain pipe ____ in (mm)	Per linear foot (meter)
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**576.5.01 Adjustments**

General Provisions 101 through 150.

**Section 577—Metal Drain Inlets**

**577.1 General Description**

This work includes installing metal drain inlets according to the Specifications and Plan details.

On Projects where the grading and paving are let simultaneously, the Item will be designated as “Metal Drain Inlets—Complete Assembly.” For this type of construction, complete the Work in two stages. Perform Stage 1 Construction immediately after completing an embankment. Perform Stage 2 Construction progressively as the paved shoulders are completed.

On grading Projects where no paving is involved, limit the installations to Stage 1 Construction.

On paving Projects where the grading has been completed and metal drain inlets are in place under Stage 1 Construction, complete each assembly as specified under Stage 2 Construction.

**577.1.01 Definitions**

General Provisions 101 through 150.